

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M00481
Date Received: 05/31/07
Date Extracted: 06/04/07
Date Analyzed: 06/11/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro Self Monitor, PO# M00481
Lab ID: 705361-01 x10
Data File: 705361-01 x10.013
Instrument: ICPMS1
Operator: HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	356
Nickel	299
Copper	193
Zinc	68.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: Not Applicable
Date Extracted: 06/04/07
Date Analyzed: 06/11/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro Self Monitor, PO# M00481
Lab ID: I7-203 mb
Data File: I7-203 mb.014
Instrument: ICPMS1
Operator: HR

Internal Standard:	% Recovery:	Lower	Upper
Germanium	101	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 06/15/07

Date Received: 05/31/07

Project: Metro Self Monitor, PO# M00481, F&BI 705361

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 706008-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	2.55	2.65	4	0-20
Nickel	ug/L (ppb)	2.15	2.22	3	0-20
Copper	ug/L (ppb)	1.51	1.54	2	0-20
Zinc	ug/L (ppb)	8.19	8.63	5	0-20

Laboratory Code: 706008-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	2.55	93	50-150
Nickel	ug/L (ppb)	20	2.15	86	50-150
Copper	ug/L (ppb)	20	1.51	85	50-150
Zinc	ug/L (ppb)	50	8.19	88	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	105	70-130
Nickel	ug/L (ppb)	20	99	70-130
Copper	ug/L (ppb)	20	104	70-130
Zinc	ug/L (ppb)	50	105	70-130

Analysis For Total Metals By EPA Method 200.8

Client ID: M00481
Date Received: 05/31/07
Date Extracted: 06/04/07
Date Analyzed: 06/11/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: M00481, F&BI 705361
Lab ID: 705361-01 x10
Data File: 705361-01 x10.013
Instrument: ICPMS1
Operator: HR

Internal Standard:	% Recovery:	Lower	Upper
Germanium	96	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Chromium	356
Nickel	299
Copper	193
Zinc	68.0

DRAFT

705361

SAMPLE CHAIN OF CUSTODY

ME 05/31/07

AI4

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

Page #

of

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH # day

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Ch. Cuy. MS/20				
m00481	01	5/31	12:30	H2O	1							7				

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

Samples received at 28 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 15, 2007

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 31, 2007 from the Metro Self Monitor, PO# M00481, F&BI 705361 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0615R.DOC